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| FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |  | ATTORNEY'S DOCKET NO.:<br>1431.108.101                                      |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b> |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>Unknown <b>10/501599</b> |
| INTERNATIONAL APPLICATION NO.:<br>PCT/DE03/00083  | INTERNATIONAL FILING DATE:<br>14 January 2003 (14/01/03) | PRIORITY DATE CLAIMED:<br>17 January 2002 (17/01/02)                        |
| TITLE OF INVENTION:<br>ELECTRONIC COMPONENT AND PANEL AND METHOD FOR THE PRODUCTION THEREOF   |  |   |
| APPLICANT(S) FOR DO/EO/US: LAST, first;<br>BLASZCZAK, Stephan et al.  |  |   |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☒ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
18. ☒ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: version of the substitute specification with markings to show the changes made

**CERTIFICATE OF EXPRESS MAIL**

"Express Mail" mailing label number **EV365587190US**. Date of Deposit: **14 July 2004**. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to MAIL STOP PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Vernell Beal**

Name of Person Making Deposit

Signature

|   |              |  |                   |  |    |
|---|--------------|--|-------------------|--|----|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>Unknown <b>10/501599</b>   |              | INTERNATIONAL APPLICATION NO.:<br>PCT/DE03/00083 |                   | ATTORNEY'S DOCKET NO.:<br>I431.108.101 |    |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1) - (5)):</b><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO<br>and International Search Report not prepared by the EPO or JPO ..... <b>\$1080.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid<br>to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid to<br>USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .... <b>\$770.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>but all claims did not satisfy provisions of PCT Article 33(1) - (4) ..... <b>\$730.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1) - (4) ..... <b>\$100.00</b><br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |  |                   | <b>CALCULATIONS PTO USE ONLY</b>       |    |
|   |              |  |                   | \$920.00                               |    |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the<br>earliest claimed priority date (37 CFR 1.492(e)).  |              |  |                   | \$130.00                               |    |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA                                     | RATE              | \$                                     |    |
| Total Claims  | 20-20 =      | 0  | x <b>\$18.00</b>  | \$0.00                                 |    |
| Independent Claims  | 3-3 =        | 0  | x <b>\$86.00</b>  | \$0.00                                 |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |  | + <b>\$290.00</b> | \$                                     |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |                   | \$1050.00                              |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are<br>reduced by 1/2.   |              |  |                   | \$                                     |    |
| <b>SUBTOTAL =</b>   |              |  |                   | \$1050.00                              |    |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from<br>the earliest claimed priority date (37 CFR 1.492(f))  |              |  |                   | \$130.00                               |    |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |                   | \$1180.00                              |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property. +   |              |  |                   | \$                                     |    |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |                   | \$1180.00                              |    |
|   |              |  |                   | Amount to be<br>refunded:              | \$ |
|   |              |  |                   | Amount to be<br>charged:               | \$ |

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 500471 in the amount of **\$1180.00** to cover the above fees.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 500471. A duplicate copy of this sheet is attached.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

Paul P. Kempf

Registration No. 39,727